# **NWS APRS INTERFACE AND HEADPHONE ADAPTER**



### **BASIC CIRCUIT - DUPLICATE FOR EACH RADIO**

#### INTERCONNECT INDIVIDUAL RADIO CIRCUITS AS SHOWN BELOW



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#### MIXER A & B / EXT SPKR PREAMPS (3 Identical)

1/4W HEADPHONE AMPLIFIER (1 of 2 shown)

### AMPLIFIED EXTERNAL (PC STYLE) SPEAKER DRIVER



#### **REGULATED PS**



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## MAIN BOARD COMPONENT SIDE LAYOUT



with the speaker volume set at 1/2.

8-Ohm headhones.

F. All the preamps have adjustabe gain of about

output coupling capacitor to about 100Hz for

2 to 40 which covers all these different settings.

G.The low frequency -6dB point is set by the 330uF

## CAUTION

Operating with very high volume, using low impedance headphones (<80hms), driving multiple headphones in parallel, or driving a speaker directly may damage the headphone amp chips. The two headphone earpieces are driven in paralled so present an even lower Z to the amps.

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